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KINASE

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☒ **2F4J**  


Structure of the Kinase Domain of an Imatinib-Resistant Complex with the Aurora Kinase Inhibitor VX-680

## Characteristics

Release Date: 24-Jan-2006 Exp. Resolution: 1.91 Å

Classification  
Compound

Transferase

Molecule: Proto-oncogene tyrosine  
Polymer: 1 Type: polypeptide  
Chains: A  
EC#: 2.7.1.112   
Fragment: Kinase domain, residues  
Mutation: H396P

## Authors

Young, M.A. , Shah, N.P. , Chatterjee, P. , Sawyers, P. , Kuriyan, J.

☒ **2WHA**  


TRUNCATION AND OPTIMISATION OF PEPTIDE IN CYCLIN A THROUGH STRUCTURE GUIDED DESIGN

## Characteristics

Release Date: 09-Jun-2009 Exp. Resolution: 2.75 Å

Classification  
Compound

Transferase

Molecule: CYCLIN-DEPENDENT  
Polymer: 1 Type: polypeptide  
Chains: A, C  
EC#: 2.7.1.37   
Other Details: TRIAZOL-1-METHYL-Molecule: CYCLIN A2  
Polymer: 2 Type: polypeptide  
Chains: B, D  
Fragment: RESIDUES 172-432  
Other Details: TRIPEPTIDE INHIBITOR CHAIN DMolecule: LEU-ASN-PFF  
Polymer: 3 Type: polypeptide  
Chains: E

## Authors

Kontopidis, G. , Andrews, M.J. , Plater, A. , Innes, L. , Renwick, A. , Fischer, P.M.

☒ **3DJ5**  

Crystal structure of the mouse Aurora-A catalytic domain (Lys240-&gt; Arg, Met302-&gt; Leu) in complex with Com

## Characteristics

Release Date: 05-May-2009 Exp. Resolution: 1.80 Å



**Classification** Transferase  
**Compound** Molecule: serine/threonine kinase  
 Polymer: 1 Type: polypeptide  
 Chains: A  
 EC#: 2.7.11.1  
 Fragment: Aurora A kinase domain,  
 Mutation: N186G, K240R, M302L  
**Authors** Elling, R.A. , Erlanson, D.A  
 Tangonan, B.T. , Hansen, S.K.



Crystal structure of the mouse Aurora-A catalytic  
 Lys240-> Arg, Met302-> Leu) in complex with Com



**Characteristics** Release Date: 05-May-2009 Exp. I  
 Resolution: 1.70 Å  
**Classification** Transferase  
**Compound** Molecule: serine/threonine kinase  
 Polymer: 1 Type: polypeptide  
 Chains: A  
 EC#: 2.7.11.1  
 Fragment: Aurora A kinase domain,  
 Mutation: N186G, K240R, M302L  
**Authors** Elling, R.A. , Erlanson, D.A. ,  
 B.T. , Hansen, S.K. , Romano



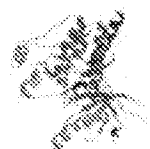
Crystal structure of Aurora A complexed with an i  
 through site-directed dynamic tethering



**Characteristics** Release Date: 08-Jul-2008 Exp. M  
 Resolution: 2.00 Å  
**Classification** Transferase  
**Compound** Molecule: serine/threonine kinase  
 Polymer: 1 Type: polypeptide  
 Chains: A  
 Mutation: N173G, K227R, T287D, M  
**Authors** He, M.M.



Crystal structure of Focal Adhesion Kinase (FAK)



**Characteristics** Release Date: 16-Sep-2003 Exp. I  
 Resolution: 1.60 Å  
**Classification** Transferase  
**Compound** Molecule: focal adhesion kinase 1  
 Polymer: 1 Type: polypeptide  
 Chains: A  
 EC#: 2.7.1.112  
 Fragment: kinase domain  
**Authors** Nowakowski, J. , Cronin, C.N.  
 Knuth, M.W. , Nelson, C.G. ,  
 Rodgers, J. , Sang, B.-C. , Sc  
 Swanson, R.V. , Thompson, D.J.



CRYSTAL STRUCTURE OF AURORA-2, AN ONCOF  
 KINASE

**Characteristics** Release Date: 15-Apr-2003 Exp. A  
 Resolution: 2.90 Å  
**Classification** Transferase  
**Compound** Molecule: Aurora-related kinase 1  
 Polymer: 1 Type: polypeptide  
 Chains: A

**Authors**

Fragment: Aurora-2 kinase domain  
**Cheetham, G.M.T.** , **Knegt, R.**  
**Renwick, S.B.** , **Swenson, L.** ,  
**J.A.** , **Austen, D.A.**


**CRYSTAL STRUCTURE OF THE T315I ABL MUTANT  
 INHIBITOR PHA-739358**
**Characteristics**

Release Date: 18-Sep-2007 Exp. 1  
 Resolution: 2.50 Å

**Classification**

Transferase

**Compound**

Molecule: PROTO-ONCOGENE TYR  
 ABL1

Polymer: 1 Type: polypeptide

Chains: A, B

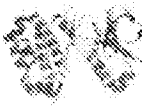
EC#: 2.7.10.2

Fragment: KINASE DOMAIN, RESIC

Mutation: YES

**Authors**

**Modugno, M.** , **Casale, E.** , **Sc**  
**P.** , **Colombo, R.** , **Lupi, R.** ,  
**Fancelli, D.** , **Carpinelli, P.** , **(**  
**Isacchi, A.** , **Moll, J.**


**Structure of AuroraA with pyridyl-pyrimidine urea**
**Characteristics**

Release Date: 23-Dec-2008 Exp. 1  
 Resolution: 2.29 Å

**Classification**

Transferase

**Compound**

Molecule: Serine/threonine-protein

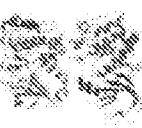
Polymer: 1 Type: polypeptide

Chains: A, B

EC#: 2.7.11.1

**Authors**

**Bellon, S.F.** , **Cee, V.** , **Hughe**  
**S.** , **Whittington, D.**


**AURORA-2 T287D T288D COMPLEXED WITH PHA-1**
**Characteristics**

Release Date: 17-Mar-2005 Exp. 1  
 Resolution: 2.60 Å

**Classification**

Transferase

**Compound**

Molecule: SERINE THREONINE-PR

Polymer: 1 Type: polypeptide

Chains: A, B, C, D, E, F

EC#: 2.7.1.37

Fragment: CATALYTIC DOMAIN, RE

Mutation: YES

**Authors**

**Cameron, A.D.** , **Izzo, G.** , **Sal**  
**L.** , **Storici, P.** , **Fancelli, D.**  
**S.** , **Catana, C.** , **Forte, B.** ,  
**Mantegani, S.** , **Meroni, M.** , **(**  
**Severino, D.** , **Tonani, R.** , **Va**  
**A.** , **Vianello, P.**

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